

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REPLACING AND RELOCATING THE EXISTING SB RED SIGNAL AHEAD STRUCTURE AND LED SIGN. MD/2 RUNS IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION IS EQUIPPED WITH A EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THIS INTERSECTION WILL OPERATE IN A NEMA THREE (3) PHASE FULLY-TRAFFIC-ACTUATED MODE WITH THE NORTHBOUND/2 MOVEMENT RUNNING CONTINUOUSLY. EASTBOUND MD 264 AND WESTBOUND MD 765 MOVEMENTS OPERATE SEPERATELY.

THE CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

Ms. Kim Tran  
Assistant District Engineer - Traffic  
Phone: 410-841-1003

Mr. John Mays  
District Utility Engineer  
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Mr. Charles George  
Assistant District Engineer - Maintenance  
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Mr. Richard L. Doff Sr.  
Chief, Traffic Operations Division  
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EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	CABINET "G" TYPE POLE MOUNT
9005	16 SF	SHEET ALUMINUM SIGNS 1 EACH - W3-3 SIGN (48"x48") POLE MOUNT
9012	1 EACH	2 CIRCUIT FLASHER

EQUIPMENT LIST 'B'

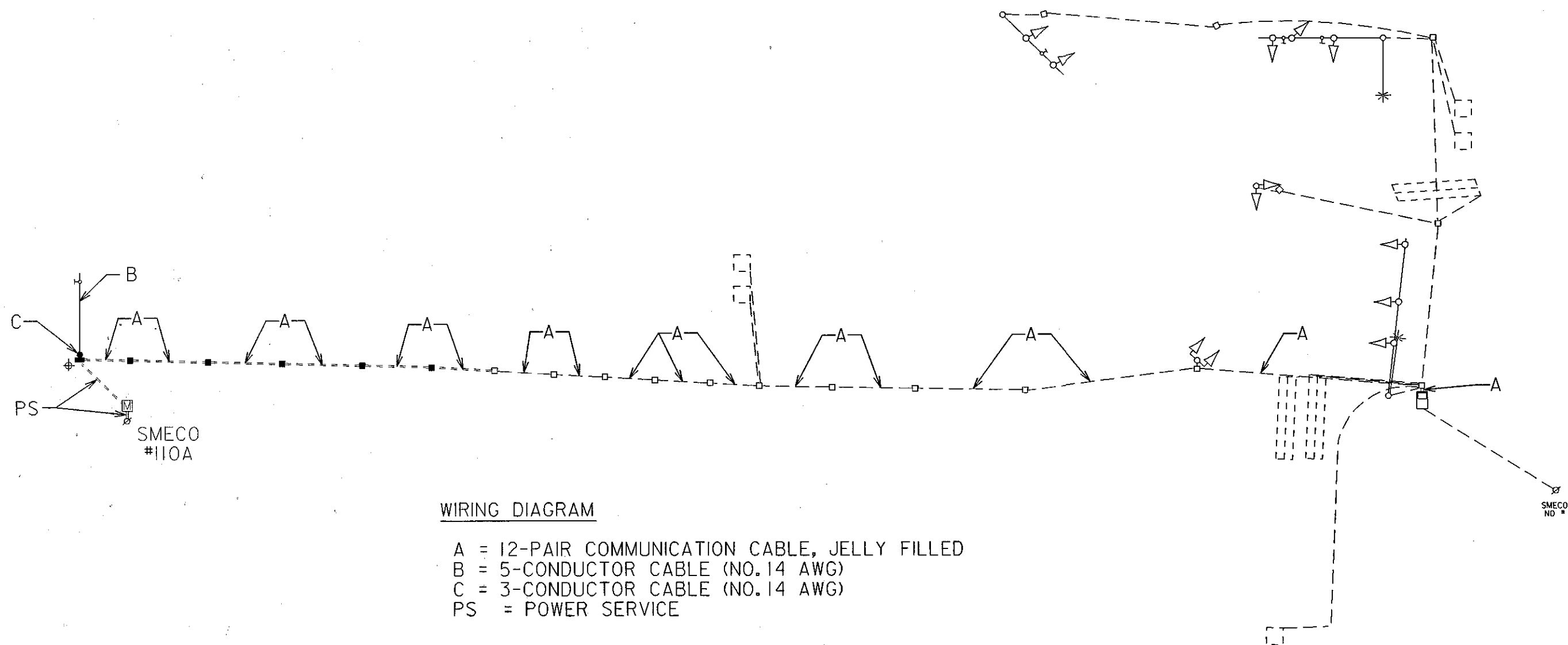
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
6005	225 L.F.	TRAFFIC BARRIER W-BEAM
6007	1 EACH	TYPE B TRAFFIC BARRIER END TREATMENT
6008	1 EACH	TYPE I TRAFFIC BARRIER END TREATMENT
8020	1 EACH	F&I CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8031	1 EACH	F&I PHOTOCELL
8047	1 EACH	REMOVE AND DISPOSE FOUNDATION 12 INCH BELOW GRADE
8051	650 L.F.	3 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED
8053	100 L.F.	4" PVC SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8057	5 C.Y.	F&I CONCRETE FOR SIGNAL FOUNDATION
8060	20 L.F.	F&I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8064	200 L.F.	F&I 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8069	1 EACH	METERED SERVICE PEDESTAL
8072	4 EACH	F&I ELECTRICAL HANDHOLE
8075	16 S.F.	INSTALL OVERHEAD SIGN
8076	2600 L.F.	F&I 12-PAIR COMMUNICATION CABLE, JELLY FILLED (UNDERGROUND)
8080	1 EACH	F&I GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8083	35 L.F.	F&I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8084	60 L.F.	F&I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8092	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
NEG.	1 EACH	F&I 60"x60" RED SIGNAL AHEAD SIGN
NEG.	1 EACH	F&I MAST ARM POLE (60 FT. SERIES) WITH 22 FT. T DIMENSION AND 35 FT. BUTT SECTION ONLY.
NOTE: REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT COVERED UNDER MD 2 AT COLLEGE PARKWAY EQUIPMENT LIST		

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ITEM NO.	QUANTITY	DESCRIPTION
SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL NECESSARY EQUIPMENT FROM THE CABINET. ALL OTHER EXISTING MATERIALS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.		



WIRING DIAGRAM

A = 12-PAIR COMMUNICATION CABLE, JELLY FILLED  
B = 5-CONDUCTOR CABLE (NO. 14 AWG)  
C = 3-CONDUCTOR CABLE (NO. 14 AWG)  
PS = POWER SERVICE

PHASE CHART

NO CHANGE IN CURRENT OPERATION



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION  
MD 2/4 AND MD 264 / MD 765



STV Incorporated

engineers / architects / planners / scientists / construction managers  
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

DRAWN BY: AMT  
CHECKED BY: MTS  
SCALE: NONE  
DATE: 3/03

F.A.P. NO.  
S.H.A. NO. AK287A59  
COUNTY: CALVERT  
LOG MILE: 04000215.96

TS. NO.  
3483 C  
T.I.M.S. NO.  
F390

SHEET NO.  
2 OF 2